Innovative Communication Approaches to Link Traditional Knowledge and Western Science

The Ashkui Project

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Special People

The project team includes a wide cross-section of skills and backgrounds from the social and natural sciences and from the Innu community at large (children to elders). The basic operating principle of the partnership is respect for nature, people, culture, ideas and opinions.





chemical analysis at "ashkui" as caribou move along Wuchusk Lake.



Best Practices:

- Design project based on Innu Elder Knowledge
- Have community co-researchers involved from start of project
 - Provide community liaison
 - Present project in the Innu language
 - Guide project development from an Innu perspective
- Solicit people who value other cultures and opinions
- Attract "learners" not "lecturers"



Best Practices:



Abstract

Over centuries of close connection with the landscape, the aboriginal peoples of Labrador have gained a special knowledge of the ecosystem upon which their livlihood and culture depends. Recent work in Labrador is focused on a Cultural Landscape Unit (CLU) approach which uses a landscape feature identified by Innu Elders to orient interdisciplinary research in Labrador.

In general terms, "ashkui" are areas of early or permanently open water, many of which are an especially important resource to the Innu in the spring. Co-researchers from the Innu Nation are helping natural and social scientists investigate these sites and translate project findings to members of the Innu community.

By working from Innu defined landscape units, local knowledge becomes a basic step towards an overall understanding of the environment. This allows for determinations of environmental change to be made more sensibly and equitably in the local context.

The effective sharing of knowledge across cultures is an essential component of this project. Our communication toolkit is made up of three key elements: Special People, Special Places and Special Products.

Budget

Environment Canada dedicates approximately 180K per year in salary and an additional 75K in operational project resources. Project partners and external funding agencies contribute up to 250K per annum in project resources excluding their own salary

The very nature of this project is expensive. The Innu knowledge interview work is time consuming and as such requires significant salary resources. Scientific research in remote northern ecosystems also carries major logistic overhead for helicopter charter and field crew expenses.

Special Places

The project operates on both local and regional scales. Thirteen ashkui sites, originally selected by Innu elders, comprise the site research network. These sites are situated along a 400 km north to south transect. Spatial and temporal patterns of ashkui across the entire Labrador landscape are being studied using satellite imagery.



Preparing the tent floor with boughs from Balsam Fir.





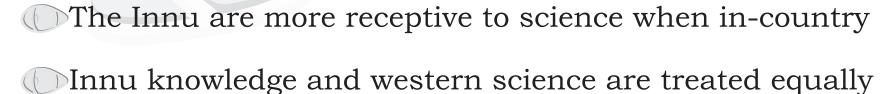
ooking at climate change impacts



samples from the ashkui at Lake







Place can cement the project in the Innu community



Innu camp meetings are superior to "boardroom" meetings

- Camps are holistic not reductionist
- Relationships are built on many levels
- De-emphasize technology promote communication

Geoff Howell and Jack Selma present the water chemistry results to the elders.

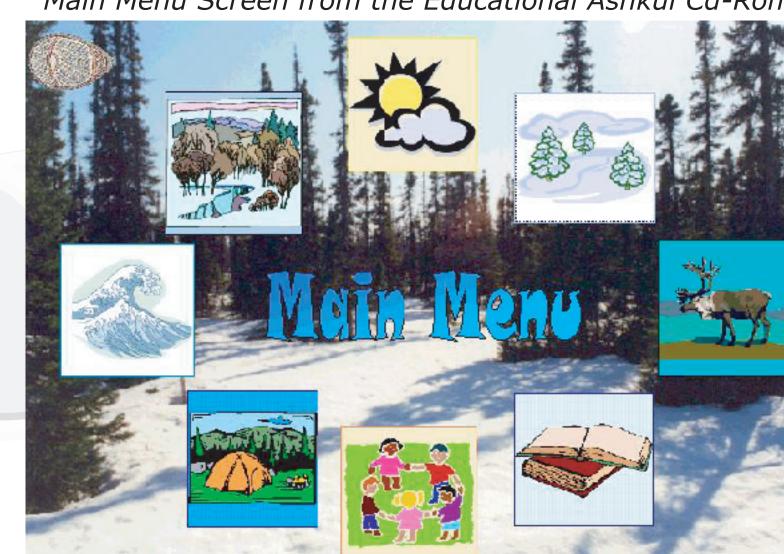




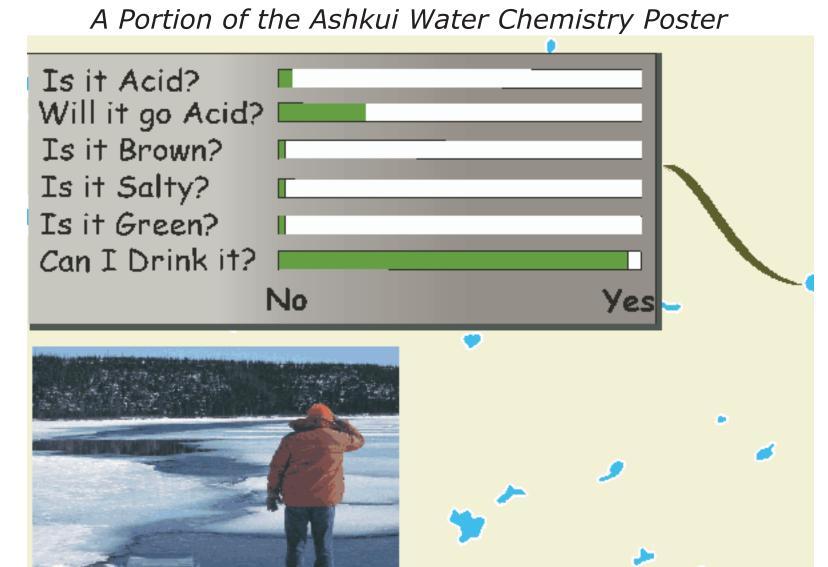
Special Products

Provide value back to the community through products such as educational Cd-Roms that highlight Innu and scientific knowledge of ashkui. The Cd-Rom pictured belowwill be used in the Innu school system and is currently being translated into the Innu language by Innu teachers.

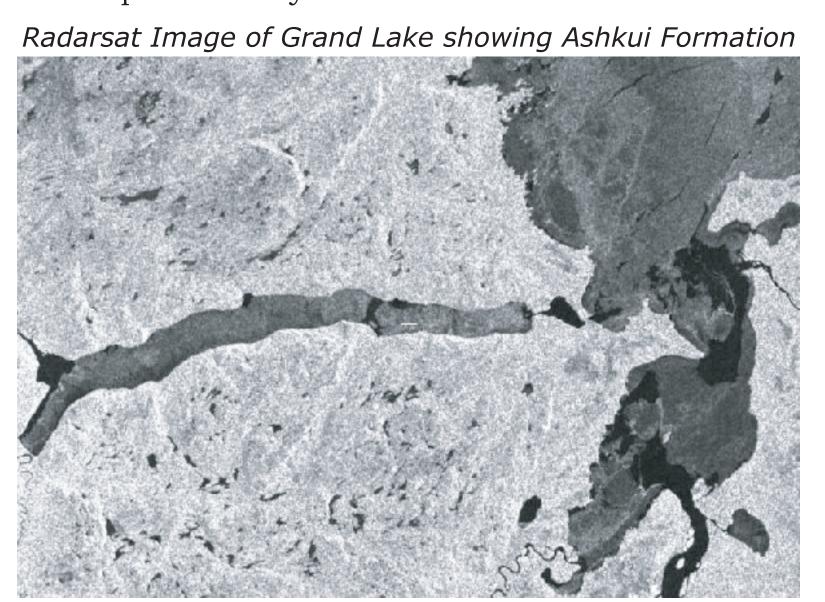
Main Menu Screen from the Educational Ashkui Cd-Rom



Value and respect the knowledge of the Innu people, particularly the elders, by producing products that respond to their questions or concerns. Technical reports on water quality are of little value when all you want to know is whether the water is safe to drink, will make good tea or will be good for fish.



Make products relevant. Maps, satellite images and photographs and other visual media are being tested as tools for collection and dissemination of Innu knowledge. RADARSAT images are being used to develop spring ice risk maps for use by the Innu.



Research and Evaluation

The first year of the project concentrated on orientation, project development and building a relationship with the Innu. The actual project design was developed by the Innu and is based on landscape elements valued by their own culture. Three project teams have been developed; 1) A site research team, 2) a landscape team and 3) an Innu knowledge team. All aspects of the project are grounded within the community and serve to enhance capacity within the Innu Nation.

The program is still in the early stages, and evaluation presently consists of input from the community and others. This feedback has been very positive, the project is gaining considerable attention and recognition for its innovative approach and a number of elements of the project have been adopted by other northern research projects. Evaluation of progress also occurs annually during formal internal project planning sessions and other scientific review for a such as the Northern Ecosystem National meeting. These evaluation for all include review by external peers.

The Innu Nation have taken ownership of the Ashkui Project and thus all aspects of the work are well supported by the community. During the past year, the Innu Nation has provided an Ashkui office in the community of Sheshatshui which has raised the public profile of the

All products are developed cooperatively with the Innu Nation and must be approved by the Nation prior to release. The product line is highly varied and includes project newsletters, multi-media applications, Innu school teaching products, posters, in-country sessions, web sites and a variety of reports and publications. Copies of all photographs, interviews and videos are provided back to the community.

Project Partners









